

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP 03/15829

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G11B27/034 G11B27/34 G11B27/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B H04N G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 205 931 A (PIONEER CORP) 15 May 2002 (2002-05-15) paragraphs '0042! - '0079!	1-30
P, X	WO 02/102079 A (GROTUIT MEDIA INC) 19 December 2002 (2002-12-19) page 78, lines 25,26 page 48, lines 3-10	1-30
A	US 2002/012517 A1 (ICHIOKA HIDETOSHI ET AL) 31 January 2002 (2002-01-31) abstract	1-30
A	US 2002/120925 A1 (LOGAN JAMES D) 29 August 2002 (2002-08-29) abstract	1-30

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

7 May 2004

Date of mailing of the international search report

14/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Mourik, J

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/15829

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1205931	A	15-05-2002	JP 2002150503 A EP 1205931 A1 US 2002051408 A1	24-05-2002 15-05-2002 02-05-2002
WO 02102079	A	19-12-2002	US 2002120925 A1 WO 02102079 A1 US 2003093790 A1 US 2003163823 A1	29-08-2002 19-12-2002 15-05-2003 28-08-2003
US 2002012517	A1	31-01-2002	JP 2002044584 A CN 1341936 A	08-02-2002 27-03-2002
US 2002120925	A1	29-08-2002	WO 02102079 A1 US 2003163823 A1 US 2003093790 A1	19-12-2002 28-08-2003 15-05-2003